

10/541228

JC14 Rec'd PCT/PTO 29 JUN 2005

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Serial No. : To be assigned (U.S.
National Phase
of PCT/JP2003/000338)

Applicants : Keiji HASUMI et al.

Filed : Concomitantly Herewith

For : AFFINITY TRAP REACTOR AND
SINGLE-STEP PROCESS FOR
PURIFYING ANGIOSTATIN-LIKE
FRAGMENT FROM HUMAN PLASMA...

Docket No. : 05360/HG

Customer No.: 01933

**INFORMATION DISCLOSURE STATEMENT
FILED CONCOMITANT WITH APPLICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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S I R :

A copy of each of the non-U.S. publications identified in the enclosed Form PTO/SB/08A is enclosed herewith. Each of the publications which is identified in the enclosed Form PTO/SB/08A is also identified in the enclosed English-language International Search Report in the International Application for PCT/JP2003/000338.

Also enclosed is a Form PTO/SB/08B which lists two publications, copies of which are enclosed. One of said

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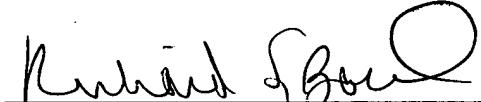
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publications, namely the Journal of Biochemistry, Vol. 74, No. 8, 4P-459, (2002), is addressed in the DECLARATION THAT THE INVENTORS NAMED IN THIS APPLICATION ARE THE ONLY PERSONS WHO CONCEIVED AND INVENTED THE SUBJECT MATTER OF THIS APPLICATION WHICH IS DISCLOSED IN A PUBLICATION that is being filed concomitantly herewith.

It is requested that said publications be considered and that initialed copies of the enclosed Forms PTO/SB/08A and PTO/SB/08B be returned to the undersigned attorney.

Respectfully submitted,


RICHARD S. BARTH
REG. NO. 28,180

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.
220 FIFTH AVENUE, 16th FLOOR
NEW YORK, NEW YORK 10001-7708
Tel. Nos. (212) 319-4900
 (212) 319-4551/Ext. 219
Fax No. (212) 319-5101
E-Mail Address: BARTH@FHGC-LAW.COM
RSB/ddf

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | | To be assigned National Phase App. No. 10/1541228 PCT/JP2003/000338) |
| | | Filed | | Concomitantly Herewith |
| | | First Named Inventor | | Keiji HASUMI |
| | | Group Art Unit | | |
| | | Examiner Name | | |
| Sheet | 1 | of | 2 | Attorney Docket Number 05360/HG |

U.S. PATENT DOCUMENTS

| Exam. Inits* | Cite No ¹ | Document Number | Kind Code ² | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|--------------|----------------------|-----------------|------------------------|-------------------------------|-----------------------------|------------------|
| | | 4,224,125 | | NAKAMURA et al. | 09-23-1980 | |

FOREIGN PATENT DOCUMENTS

| Exam. Inits* | Cite No ¹ | Offc ³ | Document Number ⁴ | Kind Code ⁵ | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T ⁶ |
|--------------|----------------------|-------------------|------------------------------|------------------------|------------------------------------|-----------------------------|------------------|----------------|
| | | EP | 1 111 385 | A2 | NICHIREI CORP | 06-27-2001 | | * |
| | | JP | 2002-272453 | A | JAPAN SCIENCE AND TECHNOLOGY CORP. | 09-24-2002 | | |
| | | EP | 0 881 287 | A2 | JAPAN SCIENCE AND TECHNOLOGY CORP | 12-02-1998 | | |

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¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

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|---|---|----|---|------------------------|--|
| Substitute for Form 1449A/PTO | | | | Application Number | To be assigned (U.S. National Phase Appl. of PCT/JP2003/000338) 10/541228 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Filing Date | Concomitantly Herewith |
| | | | | First Named Inventor | Keiji HASUMI |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 05360/HG |

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|--------------------------------|-----------------------|---|----------------|
| | | Kosuke SHIMIZU, Ritsuko NARASAKI, Harushige KURIBAYASHI, Tsutomu SATO and Keiji HASUMI, "One Step Purification of Angiostatin from Plasma Using a New Processing Protease Bacillolysin MA," <u>Journal of Biochemistry</u> , Vol. 74, No. 8, (2002). Keiji HASUMI, "A New Microbiological Enzyme which Catalyzes Angiostatin Conversion of Plasminogen," Mishima Kaiun Memorial Foundation, Research Report, No. 39, (2001). | * * |
| | | | |
| Examiner Signature | | Date Considered | |

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